



TS-700/1000 Inverter Instruction Manual

- Fully digital controlled including monitoring & display
- Compliant to UL458(only TS-1000) / FCC / E13 / CE
- Can be used for most electronic products with AC input
- 3 years global warranty

2.2 Main Specification

TS-700

Model	112	124	148	212	224	248
OUTPUT	Rated power					
	700W max. continuously, 800W max. for 180 seconds, 1050W max. for 10 seconds 1400W (30cycles)					
	AC voltage			AC voltage		
	110Vac, 60Hz (Factory setting) 100/110/115/120Vac (Selectable by setting button) 50/60Hz (Selectable by setting button)			230Vac, 50Hz (Factory setting) 200/220/230/240Vac (Selectable by setting button)		
Waveform	True sine wave (THD <3.0%) at rated input voltage					
Protection	AC short · Overload · Over Temperature					
INPUT	Bat. voltage range		Bat. voltage range		Bat. voltage range	
	10.5 ~ 15.0V		21.0 ~ 30.0V		42.0 ~ 60.0V	
	DC current		DC current		DC current	
	75A		38A		19A	
	Efficiency		Efficiency		Efficiency	
86%		88%		89%		
Off mode current draw	Under 1.0mA at power switch OFF					
Protection	Over current · battery polarity reverse by fuse · battery low shutdown · battery low alarm					

TS-1000

Model	112	124	148	212	224	248
OUTPUT	Rated power					
	1000W max. continuously, 1150W max. for 180 seconds, 1500W max. for 10 seconds 2000W (30cycles)					
	AC voltage			AC voltage		
	110Vac, 60Hz (Factory setting) 100/110/115/120Vac (Selectable by setting button) 50/60Hz (Selectable by setting button)			230Vac, 50Hz (Factory setting) 200/220/230/240Vac (Selectable by setting button)		
Waveform	True sine wave (THD <3.0%) at rated input voltage					
Protection	AC short · Overload · Over Temperature					
INPUT	Bat. voltage range		Bat. voltage range		Bat. voltage range	
	10.5 ~ 15.0V		21.0 ~ 30.0V		42.0 ~ 60.0V	
	DC current		DC current		DC current	
	100A		50A		25A	
	Efficiency		Efficiency		Efficiency	
88%		89%		90%		
Off mode current draw	Under 1.0mA at power switch OFF					
Protection	Over current · battery polarity reverse by fuse · battery low shutdown · battery low alarm					

3. User Interface

3.1 Front Panel

- POWER ON/OFF switch:** The inverter will turn OFF if the switch is in the OFF position.
- AC output outlet:** For application demands of different geographic areas all over the world, there are many different kinds of optional AC outlets to choose from.